

DECLARATION AND POWER OF ATTORNEY
(Attorney Docket No. 109.647.121)

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name.

I believe that I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

the specification of which (check only one):

- ☐ is attached hereto.
- ☒ was filed as United States Patent Application
Serial No. 09/806,110
on _____
and was amended
on _____
(if applicable)
- ☐ was filed as PCT Patent Application
Serial No. _____
on _____
and was amended under PCT Article 19
on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

BOSTON 1226436v1

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS
UNDER 35 U.S.C. §119(a)-(d) or 365(b):**

COUNTRY (If PCT indicate PCT)	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. §119(a)- (b) or 365(b) (YES/NO)
PCT	CA99/00895	September 27, 1999	Yes
Canada	2,245,903	September 28, 1998	Yes

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional patent application(s) listed below:

APPLICATION NUMBER	DATE OF FILING	STATUS: (PENDING OR ABANDONED)
--------------------	----------------	-----------------------------------

I hereby claim the benefit under Title 35, United States Code, § 120 or 365(c) of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATION OR PCT INTERNATIONAL APPLICATION(S)
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. § 120 or 365(c):**

APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS: (PATENTED, PENDING OR ABANDONED)
--------------------	--------------------------------------	---

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith

Scott M. Alter	<u>32,879</u>	Wayne A. Keown, Ph.D.	<u>33,923</u>
Hollie L. Baker	<u>31,321</u>	Ann-Louise Kerner, Ph.D.	<u>33,523</u>
Barbara A. Barakat	<u>32,190</u>	Janice M. Klunder, Ph.D.	<u>41,121</u>
Steven D. Barrett	<u>40,903</u>	James B. Lampert	<u>24,564</u>
Michael J. Bevilacqua	<u>31,091</u>	Keum J. Park	<u>42,059</u>
Nancy Chiu, Ph.D.	<u>43,545</u>	Jason A. Reyes	<u>41,513</u>
Michael A. Dicner	<u>37,122</u>	Gretchen A. Rice, Ph.D.	<u>37,429</u>
Peter M. Dichiaro	<u>38,005</u>	Donald R. Steinberg	<u>37,241</u>
Richard A. Goldenberg	<u>38,895</u>	Colleen Superko	<u>39,850</u>
Edward D. Grieff	<u>38,898</u>	C. Hall Swaim	<u>22,838</u>
Sally Byrne	<u>40,545</u>	Rajesh Vallabh	<u>35,761</u>
Wayne M. Kennard	<u>30,271</u>	Henry N. Wixon	<u>32,073</u>
David J. Cervený	<u>44,600</u>	Ayla A. Lari	<u>43,739</u>
Nels Lippert	<u>25,888</u>	Dominic Massa	<u>44,905</u>
Gregory S. Discher	<u>42,488</u>	Irah H. Donner	<u>35,120</u>

Robert McIssac	46,918	Luke Yeh	43,296
David Cerveney	<u>44,600</u>	David Cavanaugh	<u>36,476</u>
Irah H. Donner	35,120	Gregory S. Discher	<u>42,488</u>
Anthony Kahng	<u>42,704</u>	Maria Maebius	<u>42,967</u>
Cynthia Nicholson	<u>36,880</u>	Tamara Pertmer	<u>P47,856</u>
MaryRose Scozzafava	<u>36,268</u>	Victor Souto	<u>33,458</u>
Leonid Thenor	39,397	Michael J. Twomey	<u>38,349</u>
Gary A. Walpert	<u>26,098</u>	Lisa Wilson	<u>34,045</u>
Joseph Haag	<u>42,612</u>	Wendy A. Haller	<u>35,177</u>

the mailing address and telephone number of each of whom is HALE AND DORR LLP, 60 State Street, Boston, Massachusetts 02109 and (617) 526-6000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence To

Ann-Louise Kerner, Ph.D.
Hale and Dorr LLP
60 State Street
Boston, MA 02109

Direct Telephone Calls To

Ann-Louise Kerner, Ph.D.
(617) 526-6192

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements

were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

✓ Full name of first and joint inventor Andrew C. Karaplis

Inventor's signature

Date

Country of Citizenship:

Canada

Residence:

Kirkland, Québec CAN

Post Office Address:

95 Meaney, Kirkland, Québec H9J 3V6, Canada

2 - 00

✓ Full name of additional joint inventor: David GoltzmanInventor's signature David Goltzman Date August 30, 2001Country of Citizenship: CanadaResidence: Westmount, Québec CAXPost Office Address: 667 Belmont, Westmount, Québec H3Y 2W3, Canada

3 - 00

✓ Full name of additional joint inventor: Mark L. LipmanInventor's signature Mark L. Lipman Date Aug 29, 2001Country of Citizenship: CanadaResidence: Town of Mount Royal, Québec CAXPost Office Address: 2258 Fulton Road, Town of Mount Royal, Québec H3R 2L4, Canada

4 - 00

✓ Full name of additional joint inventor: Janet E. HendersonInventor's signature Janet E. Henderson Date August 30, 2001Country of Citizenship: CanadaResidence: Montreal West, Québec CAXPost Office Address: 70 Woseley, Montreal West, Québec H34X 1V7, Canada

BOSTON 1226436v1

- 4 -